UDMPX1 - UDUMP Security Exit

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UDMPX1 is a user-written routine called by the UDUMP utility program after syntax checking the terminal user's request but before calling the utility itself. This routine allows the user to define security restrictions on the access of dumps in the online dump library.

Because the UDMPX1 module is only loaded once per invocation of UDUMP, internal switches can be set and referenced.

A sample UDMPX1 module is distributed with the Com-plete system as a member of the distribution source library and the distribution load library.

Note:
No security exists for UDUMP functions, unless it is established by you.

This chapter covers the following topics:

- How to Use UDMPX1
- UDMPX1 Conventions

How to Use UDMPX1

Upon entry to UDMPX1, a set of parameters is received in the form of fullword addresses pointed to by register 1. Word 1 contains the address of the program name for the dump being accessed. Word 2 of the parameter list contains the address of a return code area in which the status of the request is to be indicated.

To define security, check the program name being passed, establish the desired level of authorization, and set the return code to indicate acceptance or rejection.

Upon return from UDMPX1, the return code area is examined by UDUMP. If the return code is not zero, the operation is aborted and a security violation message is issued.

UDMPX1 Conventions

The following table summarizes the UDMPX1 linkage conventions.

Feature	Convention	
Attributes	None required.	
Type	Thread.	
Size	Restricted to UDUMP region size.	
Registers at Entry	Register 1	Address of the parameter list
	Register 13	Address of an 18-fullword save area
	Register 14	Return address in the calling module
	Register 15	Entry address of UDMPX1
Registers at Return	All registers must be unchanged.	
Parameters	Word 1	Address of the six-byte program name
	Word 2	Address of a return code halfword
Return Codes	0	Allow the request.
	4	Security violation.
Considerations	a	Is loaded once per call of UDUMP.
	b	Is loaded before invoking utility functions.